

MON810.ST25.txt  
SEQUENCE LISTING

<110> Levine, Elaine  
<120> Corn Event MON 810 and Compositions and Methods for Detection  
Thereof  
<130> 38-21 (52220)B  
<150> 60/232,208  
<151> 2000-09-13  
<160> 10  
<170> PatentIn version 3.0

<210> 1  
<211> 20  
<212> DNA  
<213> corn  
<220>  
<221> DNA  
<222> (1)..(20)  
<223> 5' genome-insert junction  
<400> 1

acatcctttg ccattgccca

20

<210> 2  
<211> 20  
<212> DNA  
<213> corn  
<220>  
<221> DNA  
<222> (1)..(20)  
<223> 3' insert-genome junction  
<400> 2

gaacgaggac tttcggtagc

20

<210> 3  
<211> 566  
<212> DNA  
<213> corn  
<220>  
<221> DNA  
<222> (1)..(566)  
<223> 5' genome+insert sequence  
<400> 3

tcaagccgaa ggtacatctg taatttgata tcatttctat tcttccatga taataaaata 60

gaaataagtt gattataata tataattggt tatgttatct cttatacttc atatgattcc 120

ttcttcatta ttatatcttg tgctgatgaa ggtatgtcct tcataacctt cgccccgaaaa 180

## MON810.ST25.txt

tcattatatac ccaagggaaa taatgcttcg aaggacgaag gactctaacg tttaacatcc	240
tttgccattg cccagctatc tgtcacttta ttgtgaagat agtggaaaag gaaggtggct	300
cctacaaatg ccatcattgc gataaaggaa aggccatcgt tgaagatgcc tctgccgaca	360
gtggtcccaa agatggaccc ccaccacga ggagcatcgt ggaaaaagaa gacgttccaa	420
ccacgtcttc aaagcaagtg gattgatgtg atatctccac tgacgtaagg gatgacgcac	480
aatcccacta tccttcgcaa gacccttcct ctatataagg aagttcattt catttgagaga	540
ggacacgctg acaagctgac tctagc	566

<210> 4  
 <211> 879  
 <212> DNA  
 <213> corn  
 <220>  
 <221> DNA  
 <222> (1)..(879)  
 <223> 3' insert+genome sequence  
 <400> 4

tttcgacgag tgctacccta cctacttgta ccatgaagaa tcgatgagtc agctaaggct	60
tacactcgct accagctccg cggctacatc gaagacagcc aagacctga gatttacctg	120
atccgctaca acgccaagca cgagaccgtc aacgtgcccg gtactgggtc cctctggccg	180
ctgagcgccc ccagcccgat cggcaagtgt gcccaccaca gccaccactt ctccttggac	240
atcgatgtgg gctgcaccga cctgaacgag gactttcggg agccttcttt catttccgaa	300
tttgcttgcg agcagtcagg tccttttgat tcactctgagt ttggctttac aatagctttt	360
ccttttcctt tggcagtact agtgctttca tcatgagaat ccttcttaga tgtaagacca	420
cctgcagcag atgactttga tcttgttggt gggcgccgac cagattgagc cattgcagct	480
gttaatgatg caccagccgt ggtgccagga accccagatt cagaattatt accagatgga	540
attataggct tcgatgcaac ctactgcgt tgaactctag gccaaaggaa ttcttcaaca	600
gatgcaagac tagcaaattg gtcgataagc acaatatatt atgaataatc ccgaagtgat	660
ttttcgctt gagctcggga aagacgaagc ttgaagggtt gagccagagc actaagacct	720
gaagtcagac gagaccctcc aataccaatc ctactagact ggctgagcac aacagggaaa	780
cgttccagcg aagacaatgc actttgcagt ttctaacca cagtgccatg gagtttcatt	840
ctcgtccatg atcaatagaa agggcaacag atatgaagg	879

MON810.ST25.txt

<210> 5  
 <211> 244  
 <212> DNA  
 <213> corn  
 <220>  
 <221> DNA  
 <222> (1)..(244)  
 <223> 5' flanking corn genome  
 <400> 5

tcaagccgaa ggtacatctg taatttgata tcattttctat tcttccatga taataaaata	60
gaaataagtt gattataata tataattggt tatgttatct cttatacttc atatgattcc	120
ttctttcatta ttatatcttg tgctgatgaa ggtatgtcct tcataacctt cgccccgaaaa	180
tcattatatc ccaaggggaaa taatgcttcg aaggacgaag gactctaacg tttaacatcc	240
tttg	244

<210> 6  
 <211> 606  
 <212> DNA  
 <213> corn  
 <220>  
 <221> DNA  
 <222> (1)..(606)  
 <223> 3' flanking corn genome  
 <400> 6

tttcggtagc cttctttcat ttccgaattt gcttgcgagc agtcagggtcc ttttgattca	60
tctgagtttg gctttacaat agcttttcct tttccttttg cagtactagt gctttcatca	120
tgagaatcct tcttagatgt aagaccacct gcagcagatg actttgatct tggtgttggg	180
cgccgaccag attgagccat tgcagctggt aatgatgcac cagccgtggg gccaggaacc	240
ccagattcag aattattacc agatggaatt ataggcttcg atgcaacctc actgcgttga	300
actctaggcc aaaggaattc ttcaacagat gcaagactag caaatgggtc gataagcaca	360
atatttgatg aataatcccg aagtgatatt tgccttgag ctcgggaaag acgaagcttg	420
aagggttgag ccagagcact aagacctgaa gtcagacgag accctccaat accaatccta	480
ctagactggc tgagcacaac agggaaacgt tccagcgaag acaatgcact ttgcagtttc	540
taaccaacag tgccatggag tttcattctc gtccatgatc aatagaaagg gcaacagata	600
tgaagg	606

MON810.ST25.txt

<210> 7  
 <211> 18  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> DNA  
 <222> (1)..(18)  
 <223> 5' flanking 5' PCR primer  
 <400> 7

tcaagccgaa ggtacatc

18

<210> 8  
 <211> 21  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> DNA  
 <222> (1)..(21)  
 <223> 5' flanking 3' PCR primer  
 <400> 8

cgctgacaag ctgactctag c

21

<210> 9  
 <211> 28  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> DNA  
 <222> (1)..(28)  
 <223> 3' flanking 5' PCR primer  
 <400> 9

tttcgacgag tgctacccta cctacttg

28

<210> 10  
 <211> 28  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> DNA  
 <222> (1)..(28)  
 <223> 3' flanking 3' PCR primer  
 <400> 10

tcaatagaaa gggcaacaga tatgaagg

28